

Date Book
For
1929

CALENDAR FOR 1929

1929	S	M	T	W	T	F	S	1929	S	M	T	W	T	F	S
Jan.			1	2	3	4	5	July	..	1	2	3	4	5	6
	6	7	8	9	10	11	12		7	8	9	10	11	12	13
	13	14	15	16	17	18	19		14	15	16	17	18	19	20
	20	21	22	23	24	25	26		21	22	23	24	25	26	27
	27	28	29	30	31	...	...		28	29	30	31	...	...	...
Feb.	...	...	...	...	...	1	2	Aug.	...	...	...	...	1	2	3
	3	4	5	6	7	8	9		4	5	6	7	8	9	10
	10	11	12	13	14	15	16		11	12	13	14	15	16	17
	17	18	19	20	21	22	23		18	19	20	21	22	23	24
	24	25	26	27	28	...	...		25	26	27	28	29	30	31
Mar.	...	...	...	...	...	1	2	Sept.	1	2	3	4	5	6	7
	3	4	5	6	7	8	9		8	9	10	11	12	13	14
	10	11	12	13	14	15	16		15	16	17	18	19	20	21
	17	18	19	20	21	22	23		22	23	24	25	26	27	28
	24	25	26	27	28	29	30		29	30	...	...	...	...	...
	31	...	...	...	...	...	...		
Apr.	..	1	2	3	4	5	6	Oct.	..	..	1	2	3	4	5
	7	8	9	10	11	12	13		6	7	8	9	10	11	12
	14	15	16	17	18	19	20		13	14	15	16	17	18	19
	21	22	23	24	25	26	27		20	21	22	23	24	25	26
	28	29	30	...	...	...	...		27	28	29	30	31	...	...
May	...	...	...	1	2	3	4	Nov.	...	...	...	...	...	1	2
	5	6	7	8	9	10	11		3	4	5	6	7	8	9
	12	13	14	15	16	17	18		10	11	12	13	14	15	16
	19	20	21	22	23	24	25		17	18	19	20	21	22	23
	26	27	28	29	30	31	..		24	25	26	27	28	29	30
June	...	...	...	...	...	..	1	Dec.	1	2	3	4	5	6	7
	2	3	4	5	6	7	8		8	9	10	11	12	13	14
	9	10	11	12	13	14	15		15	16	17	18	19	20	21
	16	17	18	19	20	21	22		22	23	24	25	26	27	28
	23	24	25	26	27	28	29		29	30	31
	30								

Date Book
For
1929

Trade Mark

K & T

Reg. U. S. Pat. Off.

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1929 Tuesday 1, Jan.

New Years Day

Jan. Wednesday 2, 1929

1929 Thursday 3, Jan.

Jan. Friday 4, 1929

1929 Saturday 5, Jan.

Jan. Sunday 6, 1929

1929 Monday 7, Jan.

Jan. Tuesday 8, 1929

1929 Wednesday 9, Jan.

Jan. Thursday 10, 1929

1929 Friday 11, Jan.

Jan. Saturday 12, 1929

1929 Sunday 13, Jan.

Jan. Monday 14, 1929

1929 Tuesday 15, Jan.

Went to El Cajon Rotary Club
today. A moderately clear day.
Nothing seen. 30 miles. Out via
Broadway; in via Cajon Avenue.

Jan. Wednesday 16, 1929

1929 Thursday 17, Jan.

Jan. Friday 18, 1929

left for Chicago and New York
today at noon.

1929 Saturday 19, Jan.

Jan. Sunday 20, 1929

1929 Monday 21, Jan.

Jan. Tuesday 22, 1929

1929 Wednesday 23, Jan.

Spent the afternoon in the Field Museum. Checked the rattlers fairly well. Met Minnis, Osgood and some others.

Jan. Thursday 24, 1929

1929 Friday 25, Jan.

Spent the day after 10 AM in the
US NM. Met Dr. Stegner and Miss
Cochran. Also Remington Kellogg, A W
Wright and Mrs Wright (of Cornell)
and Fowler of the Philadelphia Academy.

Worked on rattlers until 4³⁰. got
fairly well acquainted with available
material

Jan. Saturday 26, 1929

Worked in the USNM on rattlers all day.

1929 Sunday 27, Jan.

left for New York tonight.

Jan. Monday 28, 1929

Spent a short time at the American Museum this afternoon getting acquainted. Met Noble, Clifford Pope and Hassler. Counted and checked rattlers.

1929 Tuesday 29, Jan.

McKinley's Birthday

Jan. Wednesday 30, 1929

Saw Dr. de Amaral for about
an hour between trains. Discussed
rattlers and his forthcoming papers.

1929 Thursday 31, Jan.

Spent all day at the American
Museum working on rattles

Feb. Friday 1, 1929

Spent the morning with Ditmars
at the Zoo. Very interesting collection.

1929 Saturday 2, Feb.

Saw later dead a *Scaphiopus*
hammondi taken this day at
La Mesa.

Feb. Sunday 3, 1929

1929 Monday 4, Feb.

Traveling through Arizona.

Winslow is an almost flat prairie. No rocks. Little brush. Looks like it would be good soil with water. Some distant escarpments and washes.

At Canyon Diablo it is still virtually bare. Quite level except for a few rocky gorges of which Canyon Diablo is an example.

At milepost 322 (and somewhat before) the Juniper? forest has begun. The land has become rolling and rocky.

At milepost 328 it is rough, hilly and rocky. Plenty of Junipers. This is Winona. Plenty of pines in the distance.

At Cosrino there are many big trees and a snowstorm has begun.


Feb. Tuesday 5, 1929

Back at San Diego.

1929 Wednesday 6, Feb.

Feb. Thursday 7, 1929

Went to meeting of the Herpetological Society of Calif in L.A. tonight. A talk on snakes by Bryan of Riverside.

He exhibited a queer Calif King. An even series of spots  down the dorsal line from head to tail. Two quite even lines on each side, mottled and striped below.

1929

Friday 8,

Feb.

Feb. Saturday 9, 1929

Drove in from Tia Juana this morning. A clear cold day. Nothing seen. 15 miles.

1929 Sunday 10, Feb.

Feb. Monday 11, 1929

1929 Tuesday 12, Feb.

Lincoln's Birthday

Feb. Wednesday 13, 1929

1929 Thursday 14, Feb.

St. Valentines Day

Recd today from Ted Myers a
Hypsiglena large from Santa Fe
 Ranch. Found under a rock

Feb. Friday 15, 1929

1929 Saturday 16, Feb.

Recd

Feb. Sunday 17, 1929

1929 Monday 18, Feb.

Feb. Tuesday 19, 1929

1929 Wednesday 20, Feb.

Feb. Thursday 21, 1929

Reed today a young garter taken
at Dike Falls and several B.a.
leucopus via Pearl and young
Wright. The batrachoseps are from S.D.

1929 Friday 22, Feb.

Washington's Birthday

Feb. Saturday 23, 1929

Recd. today from Pearl.

1 small gopher dead on the
road at Old La Mesa.1 *Hyla arenicolor*+ *Batrachoseps*

from Massacre Canyon, Riv. Co

1 *Bufo boreas halophilus*about 1 doz *Hyla regilla*

from Morena Riverside Co

1 small *Areolana elegans occidentalis*

from Lakeview Riverside Co

this was plowed out.

1929 Sunday 24, Feb.

Feb. Monday 25, 1929

1929 Tuesday 26, Feb.

Feb. Wednesday 27, 1929

1929 Thursday 28, Feb.

Mar. Friday 1, 1929

1929 Saturday 2, Mar.

Mar. Sunday 3, 1929

1929 Monday 4, Mar.

Recd today from Ted Myers a small
gopher snake taken at Vista.

Mar. Tuesday 5, 1929

Recd today from Pearl to Boyle's Kings,
some lizards and 3 *Hyla regilla* from
Mission Valley. All with localities
designated. Recd from Ayres a
small gopher from Imperial Beach. Recd
from Gander & Anceles from Mission
Valley and saw another alive.

One Boyle's King San Diego

Contained a small Gopher snake

One do San Diego Found under plaster
lizards were 2 lizards and 1 *Plethodon*.

1929 Wednesday 6, Mar.

Mar. Thursday 7, 1929

1929

Friday 8,

Mar.

Mar. Saturday 9, 1929

1929 Sunday 10, Mar.

Mar. Monday 11, 1929

Recd today via Ayres a small Arizona elegans occidentalis caught by A. L. Pickens at San Felipe. Caught under a rock. Contained a partly digested lizard seemed to be a full grown Uta stansburiana.

1929 Tuesday 12, Mar.

Mar. Wednesday 13, 1929

Drove to Los Angeles late in the afternoon starting at 4⁰⁵. A cool day; rained yesterday

Miles in the County 61.5.

One young gopher at La Jolla T & R at the start of the Hog Cañon grade.

1929 Thursday 14, Mar.

Returned from Los Angeles this morning. A clear cool day. Saw two dead snakes - one at the county line, one at Los Flores but did not stop to identify.

Mar. Friday 15, 1929

Trove to El Cajon (out Broadway,
back Cajon Ave) thence to Escondido
and back via Hodges Dam and Del
Mar. Total 110 miles.

1 Snake seen. Small gopher DOR
at Santa Fe Ranch.

1929 Saturday 16, Mar.

Mar. Sunday 17, 1929

Today went 7 miles beyond the Narrows with family and the Uhlenbergs. Started at 10 AM, returned at 6¹⁵. A cool cloudy day in town with high fog. On the desert clear with some wind. Not warm. Went out via Broadway, La Mesa Julian and Banner; returned same way except via Fletcher Hills and El Cajon Ave. 186 miles.

No snakes seen alive or dead. Hunted only one place - Yaqui Well - where we lunched, and there for a short time only.

No lizards were seen on the desert except a half dozen Uta. Got one at Yaqui Well. Caught two *Hyla regilla* in Yaqui Well but turned them loose again.

1929 Monday 18, Mar.

Mar. Tuesday 19, 1929

Went to Agua Caliente with Uhlenborgs
and Peckhams. Nothing seen. 15 miles
in the country. Return trip not counted
as it was raining and nothing could be
seen.

1929 Wednesday 20, Mar.

Went to Tia Juana with Uhlenborgs
a Clear day. 30 miles Nothing seen.

Mar. Thursday 21, 1929

Recd today a yearling C. oregonus
from S.D. Caught by Benedict. Dead.

1929 Friday 22, Mar.

Went to Del Mar and back to look
at land. A cold rainy day. Nothing
seen. ~~25~~ 50 miles.

Mar. Saturday 23, 1929

Saw today at the Zoo a
Chuckawalla from Santa Rosa Mts.

1929 Sunday 24, Mar.

Mar. Monday 25, 1929

1929

Tuesday 26, Mar.

Mar. Wednesday 27, 1929

1929 Thursday 28, Mar.

Mar. Friday 29, 1929

1929 Saturday 30, Mar.

Reed today a small *Ensatiná*
from Pearl caught in Idyllwild
Riverside Co.

This afternoon went to Corte Madera.
A cold cloudy windy day. 54.7
miles. Went via El Cajon Ave.

1 Gopher Tow DOR at Alpine

1 do large do do

1 *Thamnophis* large DOR at
old Vreys Grade toward bottom.

This evening at Corte Madera the
Hyla regilla were calling in the
ponds.

Mar. Sunday 31, 1929

Walked up to the top of Caste
Madera Mt in the morning. Saw
stellies and several half grown
oreguttis. *Xantusia negatiz*. Saw
1 half grown skink. Caught 1 *Batrachoseps*
under a log.

The nights are still quite cold.
The day while clear was cool.
Nothing seen on return trip

1929 Monday 1, Apr.

Apr. Tuesday 2, 1929

Noted a juvenile gopher dead
on the road in the park.

Talked on snakes to American
Assn. Engineers

1929 Wednesday 3, Apr.

Went up Mission Valley today
from Bridge to Texas St. 4 mi
saw nothing.

Ted Myers brought in a juvenile
garter from Del Mar.

Talked in Anakes to O. Rourke's
adult nature class.

Apr. Thursday 4, 1929

1929

Friday 5, Apr.

Apr. Saturday 6, 1929

Today Walker brought in a small *Batrachoseps* from Bostonia.

Had planned to go out to Coyote Well this week end with Weiss and Walker, but today was cold following several wet days so called it off.

Spent the week end packing rattlers for shipment back to the institutions from which they were borrowed.

Material should be examined in following order:

A. scutellatus - confluentus investigation
Kansas - Howard 3 AMNH.

B. tigris - mitchelli investigation

Material to be checked of small stunted almost white confluentus from S.E. Utah and S.W. Colo.

AMNH 1

Michigan 1

Cal Acad 2

Field 2 (To be sent for).

U.C. 2 (On the edge - not so good)

Colorado 2 do. 1 is only a head

Principal material still to be sent for

U.S.N.M. Various and extensive

Field 2 Colo Confluent and Hellens tigris

U.C. Camps Turtle Mt. Mitchell also various

northern Cal. Oregonus; new material from Jones Cal. and New Carnegie Collection from Pittsburgh promised by

Rattlers
Stanford Collection

1929 Sunday 7, Apr.

Today I packed specimens for shipment and shipped to Michigan, Cornell, Kansas, Gloyd and Utah. This completes all shipments to be made at this time.

Also preserved specimens. Also got ready for book talk to fellows S.D.S.N.H tomorrow.

Specimens still retained for entire checking or for further consideration as of this date are as follows.

- AMNH. Ostenburger collection of *atrox* and *scutulatus*. 1 or 2 other items including 1 S.E. Utah. A total of 39 snakes including 8 embryos.
- Harvard. A misc. collection of about ¹³ snakes. Not touched yet. ^{checked & returned June 21 E}
- USNM Entire Death Valley Expedition collection of *tigris*.
- Colorado 2 *Confluentus* from S.W. part of state
- Kansas 1 Remaining brood of New Mexico *Conflu.*
- Michigan 1 *Confluentus* from S.E. Utah.
- Bogert Utah material ready to return ^{Returned in June}
- U. Californiae. 2 NE Ariz *Tigris*, all Cal. and Nevada *Tigris*, some *mittelli* and San Joaquin *Oreogans*.
- Cal. Acad. 2 S.E. Utah *Confluentus* and 1 Arizona *Oreogans*.

Apr. Monday 8, 1929

1929 Tuesday 9, Apr.

Apr. Wednesday 10, 1929

Today I saw at the zoo 2
gopher snakes that struck fiercely.
Medium size. Maybe season.

Phil brought me a juvenile gopher
caught in S.D

1929 Thursday 11, Apr.

Walters forest lot as a lizard record.
(Snakes through regular Zoo system)

8 <i>Xantusia henschawi</i>	Deerhorn Flat.
2 <i>Eumeces skiltonianus</i>	do
5 <i>Phrynosoma b. blainvillii</i>	Dulzura
3 <i>Sceloporus orcutti</i>	Deerhorn Flat
4 do <i>o. kiseratus</i>	do.
1 <i>Hyla arenicolor</i>	Dulzura.
56 ± <i>Batrachoseps att. leucopus</i>	"
1 do	Bostonia

Apr. Friday 12, 1929

Today showed library and collections
to Geo. S. Myers of Stanford and his
partner Cranthorn? Cranthorn

Myers saw today .

1 L.g. boylii

1 P.C. annectens

1 L.

Fallbrook (Caught)

Bansall DOR.

1929 Saturday 13, Apr.

Went out today to the Palm Canyon on the west side of Borego Valley. Weiss and Chuck had gone the day before. Took Phil in my car. Peckham, L.B. Jones, G.S. Myers and ~~Conner~~ made up the party. Started at 1¹⁰. Arrived at 5³⁰.

Distance 100.2 miles. Went out by way of El Cajon Ave and Fletcher Hills. It was a cool and windy day. Cloudy. Quite cold at Julian. Picked up myses at Julian.

First stop at Pentecost Canyon bridge. Myers got 1 Hyla of each species. I saw 2 *Oreuttis* under a rock.

In Borego Valley it was clear, cold and windy. Saw a piece of a *Rhinoscheilus* caught in town of Borego. Very wide black rings with almost no red. Large size.

Hunted after supper until 9 P.M. Myers saw one lizard but nothing else was seen. Wind had stopped (Weiss said it had blown strongly the previous night and all day) but it was quite cold. Ground was cold.

1 *M. lateralis* D.O.R. Med Shady Dell
1 *R. lecontei* D.O.R. L. Borego (see above)

Apr. Sunday 14, 1929

This morning at 7³⁰ started up Palm Canyon. A fine clear warm day. Not hot. little breeze. About 5 miles to the nearest palms. The Canyon is very rocky.

Collected the following:

Uta microscutata

Uta stansburiana

Uta mearnsi

Cnemidophorus tessellatus

Hyla arenicolor

Sauromalus obesus

Crotaphytus collaris.

Xantusia henshawi

The microscutes were fairly plentiful up where the rocks were most plentiful and were on both light and dark rocks. Here they seemed to replace *Uta stans* which was more plentiful further down the wash. *Uta mearnsi* was quite common. The whiptails and colored lizards were taken at the beginning of the wash. *Hylas* were plentiful on the boulders and in the water but not easy to catch. Both chuckers were taken by myself under thick flakes. *Xantusia* was surprisingly rare as there were many good flakes, yet I got only one and lost one. Gave a number of specimens to Myers.

Jones saw one skink and lost him.

Myers partner saw a big red racer and lost him. I saw a couple of large Skellies.

1929 Monday 15, Apr.

Sunday April 14 (Cont).

but could not tell whether they were Orcuttii or Magister.

There were (lice & Red) on Crotophytes and Sauromalus.

Returned to camp at 11³⁰.

About noon walked around the camp for about 20 minutes. Saw only one lizard a small Diposaurus which was bagged.

Left camp at 3 P.M.

Narrows 14.5 mi.

Yagui Well 20.2 at 4 P.M.

Saw only 2 lizards between camp and Yagui Well. 1 Uta and 1 Whiptail.

No Callis were seen today.

Near the bottom of the Sentencia Canyon the Utes were more in evidence.

1 Garter medium D.O.R. Witch Creek.

Count only 75 miles today as it was quite dark at Panteo.

Uta microscutata all blue below with brilliant orange throats. Back colors are somewhat different from those at Tacumba.

Bufo punctatus was reported from here the following night by Myers.

Apr. Tuesday 16, 1929

1929 Wednesday 17, Apr.

Went out to Samuel 18 miles by
Broadway extension at 5PM Nothing
seen. Found 1 Batrachoseps under a
board.

Phil showed me a small gopher DOR
at Balboa bridge.

Apr. Thursday 18, 1929

Heard today from Myers that
he took Bufo woodhousii at El
Centro and also Harper Well.

1929 Friday 19, Apr.

Flew down from Fresno

Recd today from y.W. Simpson a
fine scutellatus from Griffith Ariz
via needles

Recd today from Myers a large
Boa from Orizaba Mexico.

Apr. Saturday 20, 1929

Worked over specimens today.

1929 Sunday 21, Apr.

Today was a moderately warm clear day; slightly windy in the afternoon.

Went to White Eagle corner via Campo; returned via highway, Bostonia and Fletcher Hills. Started at 11³⁰; returned at 6¹⁰. With family, Jane and Harriett C. 141 miles. Hypass 68 miles.

Camped at 65.8 about 2 miles west of Hypass and hunted here only for about an hour and a half. The granite is soft and does not flake. Nevertheless *Xantusia* are plentiful under the chunks. Saw 4 under a single piece. They are hard to catch. I got only 3. Also one *Orcuttii*. Saw in addition several skellies and utas. Also 1 *Bufo b. halophilus* under a rock high on a hill. Not near any water. (i.e. 100 yds or more)

While I was hunting Phil caught a large gopher; only live snake seen.

1 Gopher	L	DOR.	Foot Dulzura grade
1 do	S	DOR.	Bingirille
1 do	S.	DOR	La Posta
1 do	S	DOR.	Flynn spring

1 Horned toad at Dulzura and 1 half way up the Potrero grade.

Apr. Monday 22, 1929

1929 Tuesday 23, Apr.

[Specimen list from Sunday May 5th]

- | | | | |
|-------------------------------|----|-----------------------|--------------------|
| 1 Leaf nose | M. | 9 mi N. of Kane Spr. | DOR. |
| 1 Sidewinder | L | 10 mi N of Kane Spr | DOR. |
| 1 " | S | do | DOR. |
| 1 Leafnose | M. | 12 mi N. of Kane Spr | DOR. |
| (This is at Tule Wash Bridge) | | | |
| 1 Sidewinder | S | 12 mi N of Kane Spr | DOR. |
| 1 McCalli | | do | DOR. |
| 1 Uta stans | | do | caught
not kept |
| 1 Arizona elegans | S | 8 mi S. of Coachella | DOR. |
| 1 Sidewinder | S | 6 mi do | DOR. |
| 1 Arizona | M | 4 mi S. of Coachella | DOR. |
| 1 Leaf nose | S | 3 mi S. of Coachella | DOR. |
| 1 Arizona | S | 1 mi N. of Coachella | DOR. |
| 1 Diposaurus | | 5 mi N of Indio | DOR. |
| 1 Boyles King | L | Calazon | DOR. |
| 1 Arizona | L | 3 mi E. of Banning | DOR. |
| 1 Red Racer | L | 3 mi E of Banning | DOR. |
| (San Geronio Wash) | | | |
| 1 Long Nose | L | 4 mi N of Elsenore | DOR. |
| 1 Red Racer | M | 1 mi S. of Temecula | DOR. |
| 1 Banded Racer | M | 1 mi N of County line | DOR. |
| 1 do | L | Fallbrook | DOR. |
| 1 Red Rattles | L | do | DOR. |
| 1 Red Racer | L | do | DOR. |
| 1 Alligator | L | 2 mi S. of Fallbrook | DOR. |

Apr. Wednesday 24, 1929

Removed venom today from snakes.
Got good lots. They seem to have good
quantities in spring.

Checked the capsules for divided infralabials.
17+ to 1- (single counts).

1929 Thursday 25, Apr.

To Del Mar and back to inspect
substation. 50 miles

1 gopher Mcd D.O.R. Pacific Beach

1 do small do Hog Canyon

1 do do Caught on Road Del Mar

Out via La Jolla; returned via Rose
Canyon.

Apr. Friday 26, 1929

Went to Agua Caliente with
Drummond Foster Fowler. 30 miles.
1 Gopher's small DOZ stay

1929 Saturday 27, Apr.

Started for ^{Capt's Birthday} El Centro at 1³⁰ P.M. with Philip. A cold cloudy day in town. Went out by way of El Cajon Ave and El Cajon. Got somewhat warmer as we proceeded. Not clear until reached the desert. Moderately warm at El Centro. Total miles for the day 167; 91 miles in San Diego County.

Few lizards seen on the road on the way out. Turned up to Painted Gorge to see Walker; road was not bad. Stopped for supper at Als Place, Plaster City.

In the evening hunted near Heber and got 1 *Rana pipiens*. Hunted with flash light in El Centro and then went to the New River but got nothing. Put at

Stopped at the Bailance Motel

- 1 *Masticophis lateralis* L DOR Alpine
- 1 *Hemiprocetus c. californicus* L DOR Alpine

Above were the only snakes seen today, alive or dead.

Apr. Sunday 28, 1929

This morning was clear and moderately warm, not hot.

Started for Coyote Wells at 8 AM, and hunted there while waiting for Walter's party. At first there were few lizards out but as it warmed up they became more plentiful. The whiptails seemed to come out first. I got whiptails and collies here (each). Lost a good many. Also saw Uta and maybe wislizenii.

Went on to foot of Mt. Springs grade and hunted here with Walter. Got several Uta mearnsi, 1 Chuck, 1 Phyllodactylus (with mites) and saw Uta. Walter saw several Xantusia but I saw none although I turned many stones.

Left Wells at 2 P.M. and started for home. Stopped for 1/2 hour at big rocks east of Sacramento and got 4 Uta mearnsi, 2 Uta micro and 1 Uta stansburiana. Also saw Scutiger. Came in via Fletcher Hills.

Total miles today 126; in county 91.

1 Deserticola	S	DOR	Deer Island.
1 heterolepis	M	DOR	Bonlevard.
1 Anniotana	S	DOR	Newtown
1 Oregonus	S	DOR	La Posta
1 Oregonus	S	DOR	do (See next page).
1 Oregonus	S	DOR	Vidias
1 Cortes	L	DOR	Murray Dam

Home at 6:30

1929 Monday 29, Apr.

Deed brought me last night.

1 T.O. hammondi.	M.	Cuyamaca
2 C. cerastes	S.	Mason Valley
1 M. f. frenatus	L	do

Many common toads from Vallejos.

1 Uta stans Mason Valley

2 Phryno. platy do

1 Uta stans

1 Skelly

1 Skink

1 Alligator

Cuyamaca

Referring to the young C. oregonus on the previous page, on approaching this specimen a crow was observed to be fighting with it, jumping on it, seizing it and then dropping it etc, notwithstanding that it was dead and quite dried up.

Recd today a juvenile Pacific Rattlesnake caught at Alpine by I. D. Hugh.

Apr. Tuesday 30, 1929

Today starting at 1³⁰ P.M. went out with Chackering and Beckham. a clear mild day. El Cajon Ariz, El Cajon, Viejas, Old Viejas Grade, Descanso, Cuyamaca, Julian, Santa Ysabel, Warner Ranch where we stayed all night. 97 miles. Arrived at 5.45 P.M.

Hunted only one place and then for a few moments only this being on North Cuyamaca Peak above the lake. Here 2 skinks were seen and 1 caught. Quite a few logs were turned over.

- 1 Annectens Juvenile DOR Grossmont.
- 1 Oreganus Juvenile DOR Alpine *
- 1 Annectens Juvenile DOR. Descanso
- 1 T.O. hammondi Medium DOR Green Valley
- 1 lateralis large DOR. Pine Hills Junction
- 1 Annectens Juvenile DOR Wynola *

Alligator lizards collected on the road at Oulzanita and Cuyamaca. ^{a few skeletons} seen in the road.

In the evening it was quite windy but not cool. Hyla regilla were calling in the creek. Found 2 Bufo b. halophilus hopping in the road but did not collect them.

* Saved specimens.

1929 Wednesday 1, May

Warner's, Mataquay Ranch, Henshaw Dam, Palomas (East to West) Rincon, Valley Center, Esccondido, Vista, Oceanside, San Diego (via Rose Canyon) 137 miles

This day started with a strong east wind which persisted throughout. Moderately cool in the mountains but very hot from Rincon onward. First really hot day of the year. Very dry.

Started at Treanor's ranch at 7⁴⁰. Had breakfast there. A hard wind blowing. Nothing seen on the way except snake tracks. After breakfast climbed quite a ways up the north shoulder of Volcan. Turned over quite a few logs. Nothing seen not even lizards. Hard work. Back at 10³⁰. Then started for town. Wind still blowing. Did not stop to hunt any place thereafter.

1 ? alive on road near Henshaw. Probably either gopher or garter but got away in the grass. Was small.

1	Oreganus	Juvile	DOR	East end Palomas *
1	Garter	med	Caught	W. end Palomas
1	Red Racer	Large	DOR	Esccondido
1	Hateulis	large	DOR	Rose Canyon.
1	Gopher	do	do	do

A few lizards seen along the way. 1 Horned toad half way down the west grade. Didnt stop.

May Thursday 2, 1929

Went to Los Angeles today to address Herpetological Society on "Herpetology for the Amateur." Went alone. Started at 2¹⁰ P.M.; arrived at 6¹⁰. 59.6 miles in S.D. Co.

It was a clear hot day the second hot day of the year. 87° in S.D. Clear.

1 Boyles King	Small	Rose Canyon	DOR
1 Gopher	do	do	do
1 Cal. King	do	do	Caught On
1 Gopher	do	Cardiff	DOR
1 Red Racer.	Med	Stewart	DOR.
1 Gopher	Large	Las Flores	do
1 do	Small	do	do
1 do	Med	Serra	do
1 Red Racer	Large	Capistrano	do
1 Gopher	Small	Tustin	do

Saw a *Hypsiglena* from Lost Horse Valley, 30 mi. S.E. of 29 Palms in San Berdo Co. 4-5000 ft. Was light colored.

Bogert had a *Tubercular Geco* from Ripley Riverside Co. Calif. Also several ring necks from Los Angeles City. He gave me two.

1929 Friday 3, May

Another warm day. Called on Weinberg and got from him an Oreganus caught at Caliente, Kern County.

Then saw Tex Schulbach at Long Beach. He had four scutes, 63 atrox, 3 cerastes and 1 molossus. Traded him an exsult for 2 scutes (1 (larger) from Victorville; other (smaller) from L. F. Thompson, Peoria, Ariz. Checked some atrox for postnasal, preocular intersections $34=1, 0=2, 7=3, 0=4$. Started home from Long Beach at 12 noon.

1 Cal. King (spotted)	Large	Opp. Balboa	DoR.
1 Banded Racer	Large	San Onofre	DoR.
1 Boa	Large	5 mi S. of S. On.	DoR.
1 Boyles King	Large	Last Flores	DoR.
1 Gopher	Med	Stewart	DoR.
1 Gopher	Large	Solana Beach	DoR.
1 Gopher	Large	Rose Canyon	lost m.

Couldn't stop car for about 50 yards off on a narrow turn. When I went back he was gone. Reach S.D. at 3 P.M.

Some distances.

County line	0
Last Flores	12.2
Stewart	15.3
Oceanside	19.9
San Diego	59.5

May Saturday 4, 1929

Went out with Philip to Borega Hotel. Found it much run down. Evidently this town is for the present a fliiver. Only a few families living around.

Started at 1³⁰ P.M. The day was part cloudy and cool all the way to San Felipe Valley where it began to warm up. Was in sharp contrast to the hot days of the middle of the week. Arrived at Borega at 5³⁰ miles 98.5. Went via Mission Gorge.

Only one or two lizards were seen and snakes also were a disappointment. Was very windy from San Felipe down. Punctured crank case of the car on a rock about 3 mi west of the hotel.

1 Gopher	Juv	Grantville	D.O.R.
1 Banded Racer	L	Top Mussey G.	D.O.R.
1 Gopher	Small	Ballena	Caught On
1 Long Nose	L	San Felipe	D.O.R.
1 Sidewinder	L	Borego (Hotel)	Caught off.

Hunted at dark for about one hour (7³⁰ - 8³⁰). Wind had died down somewhat but then started up again. Got one large sidewinder at the roadside. It was pleasantly warm, but too windy. Bed at 9 P.M.

1929 Sunday 5, May

At Borega this morning we looked around for a while but saw nothing. It was too windy. Moderately warm. Not uncomfortably hot anytime during the day.

Went home by way of Kane Spring, Mecca, Palm Spring, Banning, Beaumont, Moreno, Elsinore, Fallbrook, Escondido. Total miles today 266.3. Miles in county 75. Miles to be counted (at darkness). 39.

First stop was at Harper's Well for about 1/2 hour. Got 2 Uta stans, 1 Colly and 2 Toads (probably woodhousii - to be identified later) Woodhousii OK

Next stop 8 mi. N. of Kane Springs on the highway. 1/2 hour. Stopped here as there were some sandhills near the road and I hoped to find Uma notata. Got 3 Collyps and saw one fast cream colored lizard that might have been Uma but can't be sure.

Hunted for an hour around Travertine rock at S.D - Imp - Riv. Co Junction. Saw many dips but did not get anything.

Very windy east of Banning, dead snakes would have been blown off the road.

Stopped for supper at Escondido at 6³⁰. From there on it would have been too dark to see anything.

This was a good trip from standpoint of dead specimens but was too long to permit lizard collecting. A surprising number of leafhoppers and Arizonae. [for specimen list see notes Tuesday April 23rd

May Monday 6, 1929

(Sunday May 12 Continued)

Hunted for a while in a moderately sandy area 2 mi west of Dixieland and was surprised to get one large *Uma*. Also saw a *Dip* and possibly a *Cally*.

Saw one large *Dip* near foot of Mt. Sprung's Grade.

Hunted for a while in the rocks 3 mi east of Tacubula at about $5^{\circ} - 3^{\circ}$. Got 3 *Uta* *nearnsi* and about 7 *Uta* *stans*. Also saw *Uta* *micro* (tried hard to collect without success) *Skellies* and *Oreuttis* ^{almost damaged an eye with a bygone.}

Went on in at about 3° . Saw several lizards on the way and one horned toad crossing the road at Tamul at 6° . Saw several snake tracks and stopped at one but had no luck.

1 Gopher	S.	D.O.R.	Hypass
1 Banded Racer	L	"	Hilgava
1 long horn	L	"	Tamul.

Reached home at 7 P.M. Found it hot and humid; more uncomfortable in town than in the back country. Returned via Campos, Spring Valley, La Mesa and El Cajon Cvs. Total miles 225; miles in country 86.

Deak brought in tonight from Laguna 63 *Guttes* asst, 1 ^M*Gopher*, 8 *Stinko*.
(10 of which was dead)

1929 Tuesday 7, May

Worked hard tonight preserving specimens

Took the following over to the zoo which may not get entered in list.

Gopher	med	Smith	San Felipe
do	med	Huey	mayr
Garter	Large	hat	San Diego
Boa	Large	Hest	Mission Valley
		do	
		Ted Myers	Moose Canyon

May Wednesday 8, 1929

Worked hard this noon and night
preserving specimens

1929 Thursday 9, May

Drove to Los Angeles this afternoon.
with Gg. Started at 2⁵⁰; arrived at
6⁵⁰. A clear cool day. 62 miles
in country. Via La Jolla.

1 Gopher	Med	DOR	2 mi N. of Oceanside
1 Longnose	L	DOR	do
1 Gopher	Med	DOR	Los Flores
1 do	do	DOR	do
1 do	do	DOR	do
1 Banded Racer	Med	DOR	San Onofre.
1 Gopher	Med	DOR	do.

Recd today from Philip a young
Scaphiopus hammondi caught in
San Diego.

May Friday 10, 1929

Returned from L A this afternoon.
 Started at 2⁰⁰; arrived at 7 P.M. Had
 a puncture. Clear cool day.
 1 Gopher weel DOR San Clemente
 1 do do DOR do

Nothing seen inside County. Count
 48 miles to dark.

1929 Saturday 11, May

Started for Brawley at 2 P.M. today with the intention of doing some night hunting. With Philip. It was a warm humid day in town; cooler in the back country; not overly hot on the desert. Did no hunting on the way out. A few lizards were seen.

Brake on left rear wheel froze on Mt. Sprung's grade. Just entering Brawley burned out bearing on right front wheel either due to brake heating or to severe pounding on detours at this point. This finished idea of hunting during the night. Looked around Brawley with spot lights until 9 P.M. in park and at SP. depot where the palms were being irrigated but found nothing.

Went out via Market St. miles in country 91.7
Total miles to Brawley 142

1 Banded Racer	L	Do R	San Diego
1 Long Nose	L	"	"
1 Gopher	S	"	La Mesa
1 Cal King	L	"	Alpine (Top of Grade)
1 Patch nose	L	"	" "
1 Banded Racer	M	"	1/2 way up old Viejas Gs
1 Gopher	S	"	Descanso
1 Red Racer	S	"	Jacumba
1 Desert Gopher	L	"	Swiss w. 25 Cents

Also 2 chucks on Mt. Sprung's Grade.

Stopped at the Planter's Hotel.

May Sunday 12, 1929

Mother's Day

Got the car again this morning and started for Kane Springs and beyond at 8¹⁵ to see if snakes were as thick as last week. They weren't. Drove 35 miles up the road and back or about 13 miles beyond Kane Springs.

1 Sidewinder S DOR 5 mi N. of Kane Springs

1 Gopher L DOR S of Kane Spr.

1 Gopher M DOR N of West morland

(Both latters were in desert, not cultivated country).

1 P. mcallei found injured on the road near Kane Spr. Sawed spec. & Callys noted close by here.

1 Dip shot near Kane Spr. Had in his mouth what proved to be the dried skin of a Uta. Could it have had it long as it broke away on a slight touch.

Hunted for toads in a small pond north of West morland which was sufficiently permanent to contain many small fish but found nothing.

Returned to the garage at about 10⁴⁰ and had more work done on the bearing which was noisy. Left at 11⁴⁰. Figured we would not risk a trip to the sand hills on account of the bearing trouble. Didn't want to take any chances!

Returned to El Centro via Holtville. Nothing seen enroute except several squashed toads. Hungred at El Centro. (Continued May 6th)

1929 Monday 13, May

Removed venom from 24 fresh rattlers at noon today. Did not get a very good supply.

Noted that 12 exsue had 24 divided first infralabials.

Out of about 10 oreganus one had only 2 internasals instead of the usual 4.

Of 4 mitchellii all had scale rows between rostral and prenasal.

May Tuesday 14, 1929

(Sunday May 19th - Continued)
 was in a hurry to get Phil home.

1?

1 Banded Racer

1 Red Rattle

1 Gopher

1 Pacific Rattle

1 Gopher

This last had had a couple of young
 rabbits squeezed out.

lost on 4 mi. W. of Pala

L lost on do

M Caught off 4 mi. E. of Basell.

S DOR Bernardo

S DOR. Murphy Canyon.

L do do

1929 Wednesday 15, May

(Sunday May 18th Continued)

rather than wet sand. There are many trees in the wash - some oaks. Learned to stand under the trees and listen for leaves rustling, then flash the light on the spot and look for the toad. This was particularly successful under oaks. There was a half moon - no wind comfortably cool. Heard many *Hyla regilla* and *H. arenicolor*. Also heard the Pine Valley trill which may be *Californiaca*.

got 14 *Bufo californicus*
(several adults)

8 *Bufo b. holophyllus*

1 *S. hammondi*.

1 Gopher	Med	D.O.R.	Murray Dam	11.3
1 do	do	do	do	11.7
1 Longnose	L	DOR	El Cajon	14.8
1 Band Racer	M	DOR	Fate	24.9
1 Boyles King	S.	Caught off	Oak Grove	

Total miles today 96.

May Thursday 16, 1929

Received today from C. B. Perkins
20 rattlers taken 20 mi N.W. of Delta
Utah and 1 gopher from same place.

Saw F. E. Walker today, he told of
taking the tantilla at Deerhorn at
1³⁰ A.M. crawling on the ground, only
one he had ever seen in the open.

Recd today from Frank Hoke 1 gopher
Med City.

1929 Friday 17, May

Talked to Troop 20 on snakes.

Noted today an alligator lizard caught by Walker at Deerhorn that contained three large black ticks (not mites)

May Saturday 18, 1929

Started out today with Phil at 1³⁰ P.M. A clear moderately cool day. Rather warm in El Cajon Valley but cool beyond. A few lizards were seen on the road. First stop in some rocks about a mile or so north of Moretti's (Junction Warners and Henshaw Dam roads). Hunted here for about $\frac{1}{2}$ hour. Got 3 Uta stans (1766-8) Saw a good many Utes and a few Skellies x

Next stop at a small pond $\frac{1}{2}$ way bet. Moretti's and Warners Hot Springs. Got nothing here. Saw one Hyla regilla.

Arrived at Warners at 4³⁰. 71 miles. Reserved room and then went up the road toward Oak Grove 11 miles. In the rocks where I got 2 red rattlers 4 years ago (now an oasis in the burned area) I hunted for half an hour from 5¹⁰ to 5⁴⁰. Got one small Bogles King, one large whiptail (1765) and a Uta stans. The snake when first seen was stretched out along the base of a granite rock. He afterwards ate the Uta in the rock. Also saw here but did not collect Orcuttia, Helly and Xantusia. Got a horned toad on the road at 5⁰⁰. Returned to supper at Warners at 6 P.M.

After supper went up the road 1 mile to the big wash. Hunted here 7³⁰ to 8³⁰ and had good luck with toads. Found them in dry (Continued to Wednesday May 15th)

1929 Sunday 19, May

This morning Phil was not feeling well (mumps?) so we decided to return to San Diego. Came in via San Luis Rey Canyon, Arroyo, Rincon, Pala, Bonsall, El Cajon. Total miles 106.5.

Started at 8 AM. reached home at 12³⁰. A clear cool day. A little warm in Rincon and Pala.

Saw many lizards along the way particularly Uta stans and Skellies. They were very thick in the rocks and trees in San Luis Rey Canyon. Also saw here 1 whiptail and several skellies.

Got one snake crossing the road about 4 mi. west of Pala. Probably garter or banded racer. Was too speedy. A few yards further on was a large banded racer in the center of the road. Had his head up about 10 inches and was surveying the situation. Shot him but was too far away and then lost him down a hole.

Hunted in rocks 4 mi. e. of Bonsall. Got one med. sp. snake. Had a hard time getting him out of the rocks. Also got 1 Orcuttia. Saw Utas and Skellies. Did not hunt again and may have missed a snake or two on the way home as I

(Continued to Tuesday May 20)

May Monday 20, 1929

Removed venom from 23 snakes
this noon

1929 Tuesday 21, May

Watched a *Trimorphodon* eat a large *Xantusia* tonight. Did not see the entire process. When first seen the snake had the lizard by the center of the body with the upper jaw reversed so that it engaged the lizard's abdomen. The jaws were widely extended so that the back teeth were effective. The lizard had twisted so that it was biting the snake's lower jaw. Possibly was caught in the teeth so that it could not let go. The snake was doing nothing but bite continuously by spasmodic movements of jaw and neck muscles. Movements at about 4 sec. intervals. Did not use body. Kept this up for 7 minutes while observed. I ceased observation here then came back after 10 minutes and found snake swallowing lizard head first. Disturbed him and he dropped lizard. Lizard was quite dead except for spasmodic twitching of tail. Left lizard in cage and it was eaten later.

Worked until midnight tonight pickling specimens. Was greatly helped by Seal and 4 of his boys Marsden and Davis who worked from 7³⁰ to 11 P.M.

Many of the Utah female rattlers contained well developed eggs.

May Wednesday 22, 1929

Bogert writes under date of May 18, 1929 that he took the following at Lovejoy Springs in north eastern Los Angeles, Calif.

- 14 *Sauromalus obesus*
- 5 *Callisaurus ventralis ventralis*
- 5 *Uta stansburiana stejnegeri*
- 17 *Sceloporus magister*
- 8 *Phrynosoma platyrhinos*
- 5 *Xantusia vigilis*
- 2 *Crotalus cerastes*
- 1 *Masticophis flagellum frontalis*
- 2 *Gopherus agassizii*
also saw.
- Cnemidophorus tessellatus tessellatus*
- Crotaphytus wislizeni*

Recd a young Pacific rattlesnake from Myers caught at Del Mar

1929 Thursday 23, May

Heard today from J.T. Blackwood
 Jacumba that the *Trimorphodon* recently
 sent in came from Carrizo Gorge just
 east of Tunnel 7. (This is about 3 mi
 south of Carrizo Gorge Station on the
 railroad.) Was found between the rails
 on the Railroad track at 10 AM.

Recd today from the Gas Co
 Oceanside 2 *Oreganus*^{IMIL}, 2 gophers M
 and 1 alligator lizard.

These are actually from Del Mar, taken
 by I.D. High.

May Friday 24, 1929

1929 Saturday 25, May

Philip had the mumps so did not go out.
Worked all afternoon and evening on specimens
and tabulations.

May Sunday 26, 1929

Worked hard all day taking care of specimens, cataloging etc.

Reed tonight from Pearl taken at Morena dam.

1 *C. oreganus* large

1 *M. lateralis* large.

2 *B. b. halophilus*

Also a miscellaneous lot of *Uta stans*, skulls and ocellus in pickle.

Also one horned toad from Dulzura

1929 Monday 27, May

Removed venom from 33 rattlers today.
Saw what was probably the largest
mitchellii I have seen. Very large
around.

May Tuesday 28, 1929

Recd today from Ted Myers a
large red rock from Ramona.

1929 Wednesday 29, May

Went to El Cajon sub today and
out to Santee to see new lines. Out
Broadway, back by Fletcher Hills.
Rather warm in the back country.

One med. long nose BOR at Cholla Hts.

One large do do at Murray Dam.

Total miles 45.

May Thursday 30, 1929

Memorial Day

Philip sick did not go out. Went down to Coronado Islands with Charles-Martinez. Got good and sick. Did not land.

(Sunday June 9th Continued ☺)

Left here at 3 P.M. County line 97.0 miles from Yuma.

Stopped at 2 points at the top of the hill but got nothing. Windy and rather cool.

Left here at 3:45.

1 Gopher L	DOR.	Guatay
1 " M.	"	Descauso
1 lateralis L	"	Alpine

Went in via Bostonia and Fletcher Hills. Reached home at 6:20.

Mules in the County today 89. Total 186

1929 Friday 31, May

Sunday June 9th Continued.

at the roots of the brush. They hide also by going around a branch like a squirrel. They change color notably. The one we caught was dark gray on the branch; cream almost like an alpine when in the white sack.

Leaving the sand hills many lizards some Uros, some Callis and an occasional dip were noted running about on the pavement. Sometimes several together. Picked up one Callis a mile west of where we hunted.

1 Sidewinder M DOR. 20 mi W. of Yuma.
Stopped for half an hour 12 miles east of Holtville
saw a Callis and got one Uta stansburiana No. 1872.
Also saw 1 dip.

At 12¹⁵ stopped for 15 minutes 8 mi E of Holtville just outside the irrigated area. Got 2 Whiptails. Also a little further on got a large leopard lizard DOR but worth saving.

1 Marcy's garter snake DOR 2.5 miles E of Holtville. Irrigated fields both sides.
Left El Centro at 1:40 P.M.

1 Gopher M 6 mi W. of El Centro DOR.

1 Gopher S 10 " " " "

Stopped at foot of Mountain Spring's Grade and got 3 Uta stansburiana and a large Chuck chub. Had a hard tussle to get him out of the creek in which he was hiding.

(Continued May 30th)

June Saturday 1, 1929

Meyers and Krantz passed through on their way back. They had *Elaphe bairdii*, *Bufo alvarius* and other interesting live specimens I had not seen before. Gave them a good many live specimens including *Bufo californicus*, *Bufo boreas talophilus*, ~~to~~ *Hyla arenicolor* and *Rana aurora draytoni* all from Rincon.

1929 Sunday 2, June

Worked hard on specimens from 8 AM to 5 P.M.

Went out to Valencia Park and Lemn Grove 5 P.M. - 6³⁰ P.M. 20 miles
Nothing seen.

Twice in last two days California Kings have taken to alligator lizards very readily.

This evening Pearl brought in a large Boyles King from Fallbrook and a number of snakes and lizards from various points in Riverside County.

Boyles King 1918 L868 T110C ♀
had inside

Gopher 1919 L570 T92C ♂

June Monday 3, 1929

2 Young *L. californiae* got loose in
the house

↑
Talked to Scout Troops 30 and 33
tonight.

— Last one showed up July 6th in
shop.

1929 Tuesday 4, June

Broadway, Euclid, University, La Mesa, El Cajon
Santee, Fortes, Barton Road, Pepper Drive, Fletcher
Hills, El Cajon Ave. in the afternoon. A cool
day. 46 miles.

1 *Rhinischeilus lecontei* large Fletcher Hills DOR

1 *C. oregonus* juvenile Murray Dam DOR

Reed today from Al Bray a juvenile
Boyles King. Flynn Springs.

This evening worked up 1928 trips in
index from July 14 to end of year.

June Wednesday 5, 1929

Reed today from Bogert two specimens

1 Great Basin *oreanus* from Zion Park.

1 *Scutellatus* (probably) from
2 mi W. of Little Rock, L.A. Co

Both are in rather poor condition having
been found dead on the road.

✓ noted the following locality records:-

Boyles King.

Highland Park

Arroyo Seco

Despe Canyon, Ventura Co

Pacific Rattles

M. lateralis

Mt Wilson Trails.

Pacific Rattles

Longing Buttes

Sidewinders

L. multicauda

Mt. Wilson

Red Racer

Mint Canyon

C.C. Mormon.

Culver City.

1929 Thursday 6, June

Went to Los Angeles today to see
Masses re natural gas. Took Philip
Started at 10³⁰ AM, arrived at 2⁴⁵. A
clear cool day. Stopped for lunch in
Capistrano. Went via Rose Canyon. 59
miles in county 129 miles total.

- 1 Juvenile Pacific Rattles DOR. Rose Canyon.
- 1 Horned Toad Solana Beach.
- 1 Medium Red Racer DOR. Stuart.
- 1 Large " " " Galwan
- 1 " Boyles King " Montebello.

In the evening went to the Specimen Night
meeting of the Herpetological Society and
saw much interesting material. Traded for
what received as gifts the following:

From Cannon a scute from upper end of Mojave.
Exact locality later.

From Weinberg a *Sonora occipitalis* and
a very small *Phyllorhynchus* from bet. Palm
Spring and Indio. (These went astray; did not
have bottle on arrival home). He also had a
large *Arizona* from the same locality.

From Bogert a large desert? gopher from Devil's
Punch Bowl, L.A. Co. Also a *Callisaurus*, 3 *S.*
magister and 2 *X. vigilis* from Looey's Buttes
L.A. Co. Also an *Oreganus* from Devil's Punch
Bowl.

June Friday 7, 1929

Returned from Los Angeles today with Philip.
A clear cool day. Started at 11³⁰. Arrived at
5⁵. Via La Jolla. Total miles 13⁶; miles
in County 64. Via Long Beach & Laguna.

1 *Arizona elegans* M DOR Leucadia
1 Gopher M DOR Pacific Beach.

In the morning saw Weimer's material.
Got from him 3 *B. punctatus* and 5 *B.*
Cognatus from Fish Spring. Also a queer
striped *sceloporus* said to have been taken
near Palm Spring.

Saw Schulbach's collection and
traded for 8 Sidewinders, 5 Scutes and
a Pacific from Angela Camp.

✓ Saturday June 8th Continued

Another was seen and escaped.

1 Gopher (small DOR 2 mi W. of Yuma
(saved specimen)).

Hunted for 20 minutes 12 miles west of
Yuma with flashlights but found nothing.
Arrived at 9⁴⁵. 188 miles.

1929 Saturday 8, June

Started for Yuma with Philip at 2¹⁵ P.M. A rather cool overcast day. Reported cool in the desert which was why we went out. Went out by way of Spring Valley Junction (Broadway) Grossmont and the highway. Old Vegas Grade still in use.

1 Gopher L Grossmont lost on road.

He escaped into high brush before car could be stopped.

1 Calif King L DOR. Vegas

1 Gopher S " "

1 " L " "

1 Western Yellow Belly L DOR "

(all above were on roads bordered by fields of grass).

1 Garter L DOR Buckmans.

1 Long nose L DOR mountain spring.
Right at Co Line.

Miles inside county 90.4.

1 Sidewinder S DOR 5 mi E. of Coyote Well.

1 Desert Gopher L DOR 2 mi W. of Seeley.

El Centro = 126 miles.

Started for Yuma after supper at 7¹⁵. Soon got quite dark. New moon. Some breeze. Cool and comfortable.

1 Sidewinder S Caught crossing the road, at miles 162, 26 miles west of Yuma.

1 Sidewinder M Caught crossing the road at 20 miles west of Yuma.

1 Coleonyx Caught at 17 miles west of Yuma

June Sunday 9, 1929

Left Yuma this morning at 7 AM. It was clear and comfortably warm as it was all through the desert. Very cool for this time of year. Max. temp. today at Yuma was 94. Hottest place we saw was Coyote Well at 3 PM. which was probably under 100.

1 Desert Gopher M. DOR 4 mi W. of Yuma.

1 Sonora occ. L DOR 10 " " " "

Stopped at the sand hills at a point 16.7 miles west of Yuma. at 8 AM. Hunted until 10 AM and then fixed specimens until 10³⁰ before going on. A fine cooling breeze was blowing; very comfortable. Saw many lizards; got 2 alive and 27 shot. Lost very few. Saw 6 little *griaciosa* and got 5 of which one was alive. No other lizards were seen in the sand hills. From the tracks I should judge that the lizards run on their hind legs but I can't see them do it. Too fast. They will take to ground holes where such holes are available which they usually use not. But their usual method of escape is to run behind a bush and dive into the sand or continue on screened by the ~~sand~~ bush. Difficult to tell which they do except by the tracks. One was noted to jump out of a bush where he probably had an observation post. The large specimens are quite wary and difficult to get.

The lizards hang head downward on bushes principally grease wood. They take refuge in holes.

(Continued Friday May 31st)

1929 Monday 10, June

Showed my collection to A. L. Pickens today. He was down to give a talk to the fellows of the Natural History Society.

June Tuesday 11, 1929

Went to El Cajon to talk at the Rotary Club lunch. A clear moderately warm today. Went out via Broadway; returned via Fletcher Hills. 11²⁰ - 2¹⁵ P.M.

1 Gopher large DOR San Diego.
(Marlow Park)

1 Boyles King Small DOR Fletcher Hills.

Recd today from Bogert

7 *Xantusia virgata*

3 *Sceloporus magister*

1 *Callisaurus draconoides*

4 *Uta stansburiana*

1929 Wednesday 12, June

Worked tonight putting away pickled specimens.

Tonight watched the *Trimorphodon* eat another full grown *Xantusia henshawi*. Again he got ahold with the upper jaw in the abdomen. Again the spasmodic biting, and there was no doubt that the poison was effective as the lizard was quite dead in a short time (10 min?) before swallowing began. The *Xantusia* was from Sentance Canyon (Walker).

Tonight noted a small *A. c. occidentalis* brought in by Walker, taken DOR June 6 in Borego Valley small.

Rent to Bogert

3 *Uta* *maurii*

✓ *Cnemidophorus tessellatus tessellatus*

✓ *Uma notata* (alive).

Today photographed *Oryzomys* from Wenatchee, Wash; Kern Co, Cal (Cabrera) and Cameron's *Scutellatus*.

June Thursday 13, 1929

Pickled specimens until midnight
assisted by Pearl and Marsden.

Recd today a *B. b. halophilus* taken
in leaf mold by Huey June 9th 5 mi
N. of Remona.

Recd today from Pearl a small gopher
City June 12th

Armillaria pulchra Crescent Valley
June 9th halter.

Bogert writes he collected Arizona
just outside of Lancaster and *Rhinoscheilus*
near Valmdale.

1929 Friday 14, June

Flag Day

June Saturday 15, 1929

Reed today 2 young c. atrox from
Col. Cressman.
Worked hard on specimens this afternoon
and evening.

1929 Sunday 16, June

Worked today preserving, cataloging
and filing

Getting ready for trip to Del Monte.

1 Boyles King M. D.C.R. Park

June Monday 17, 1929

This morning as I was preparing to leave I received 3 *Ensatina eschscholtzii* from Walter Hynes, 3274 Island Ave. Taken 56 ft back in a mine about 10 miles up the Honey Springs Road from branch point with the Dulzina Highway. Quite dark in there. This is evidently the Sequoia mine. Hynes was not sure of the name.

Also recd from Mr. Bulpitt, SSP Co 1 Delta type *Oreganus* from Mono Basin. El 6700 T1N-R26E. MDM. This is just south of Mono Lake; probably near Williams Buttes.

Left today for Del Monte Convention of PCEA. Started at 11¹⁵ with gg. Via Rose Canyon. A clear warm day. Arrived at Santa Maria at 9³⁰. Miles in County 56.4. Total miles 303.

1 Red Race L Old Town DOR.
1 Red Race S. DOR La Costa
1 Boyles K M. DOR Las Flores
Several snakes (2, 3 or 4) were seen beyond LA but didn't stop.

1929 Tuesday 18, June

Started from Santa Maria for Del Monte at 11³⁰. Clear and warm. Hot in the Salinas Valley. Via Castroville 9c road closed. Miles today 191. Arrived at Del Monte at 4³⁰

- | | |
|---------------|-------------------------|
| 1 Gopher L. | DOR Arroyo Grande. |
| 1 Boyles K L | " Atascadero |
| 1 Gopher M | " San Ardo |
| 1 Red Racer M | " 3 mi S. of San Lucas. |
- (David specimen)

June Wednesday 19, 1929

Drove from Del Monte to San Francisco
via Chittenden Pass. Started at 4³⁰.
Arrived at 8³⁰. Very hot in lower
Santa Clara Valley.

1 Gopher L DOR. Sargent
1 do M DOR. Gilroy.

1929 Thursday 20, June

After spending morning with Chickering on business attended noon meeting at Berkeley of Am. Soc. Ichth. & Herp. to organize a western group or branch.

At U.C. saw a fine series of rattlers all Delta Type from Nevada. Also 3 lizards and 2 Enys from the Cape.

In the afternoon borrowed from Steerin 1 lakeport specimen of *Oreganus* and 3 Idaho specimens all from Black Creek Canyon 15 mi S. of Boise.

414 Sept 21 1926

421-22 Oct 5 1924

Started back to Del Monte via Los Gatos and Santa Cruz at 4³⁰; arrived at 9¹⁵. A very hot day in Santa Clara Valley. Nothing seen. Miles 129

June Friday 21, 1929

This evening; went out ^{Longest Day} around the lake at 11³⁰. Caught ~~two~~³ toads. Saw many larks around the lake but couldn't catch any. Heard *Hyla regilla*.

1929 Saturday 22, June

Went out again for a few moments this morning before convention session. Caught 1 toad and 3 Batrachoseps. Saw Ranae and young hylas. Couldnt catch the former.

Started for Santa Maria at 2³⁰ this afternoon. Very hot in the valley.

1 C.c. mormon med DOR Del Monte

1 gopher L Bradley.

miles 187.2

June Sunday 23, 1929

Started from Santa Maria at 7⁴⁰.

Very hot today inland. Bothered much by Sunday traffic particularly south of Serra. Travelled via Santa Susana, Santa Ana and Rose Canyon. Miles today 317.5; in county 53.5.

1 ? DOR Orcutt. Didn't stop.

1 Gopher S. DOR 9 mi. N. of Buellton.
(saved).

1 Gopher L DOR 5 mi N. of Buellton.

1 Gopher L DOR 6 mi N. of Elwood.
(Santa Barbara Co oil field)

Nothing was seen inside county although there were one or two possibilities for which I couldn't stop ofc heavy traffic.

1929 Monday 24, June

Milked rattlers this noon. Got a fairly good lot of venom.

Ran today some *Hyla regilla* from De Luz not entered in Walker's list

Walker told me today of a Boyle's ^{snake} King which threw up 3 young Pacific ^{the} Rattles; and another which threw up ^{probably} a banded racer larger than itself.

June Tuesday 25, 1929

1 Boyles King Small DOR morena
rmi.

1929 Wednesday 26, June

June Thursday 27, 1929

1929

Friday 28,

June

Recd today from (some gas Co)
employee a large res recd from
Oceaneide

June Saturday 29, 1929

Went out to Camp Fletcher this afternoon to get Philip. A moderately hot day in the back country.

Start at 12⁴⁵; returned at 5¹⁵, 111 miles. A few legends seen. No stops.

1 Boyles King M. DOR Fletcher Hills

1 Gopher M DOR Riverview.

Went out via Fletcher Hills and old Viejas Grade; returned via Julian.

1929 Sunday 30, June

Worked hard all day preserving
and cataloging specimens. Instructed
Walker in the morning.

July Monday 1, 1929

L. S. Frierson, Jr called me up today, but as I was in Los Angeles on business I missed him.

1929 Tuesday 2, July

Recd today a horned toad from
Abbott and several lizards from Huey
taken on his Arizona trip.

July Wednesday 3, 1929

Gave final instructions to Walter
today.

1929 Thursday 4, July

Independence Day

Worked on specimens all day.

Noted 4 *Bufo californicus* from Dehesa. As these are being sent away this locality will not appear in Specimen list.

July Friday 5, 1929

Went to Los Angeles on business with gg, Alice and P.A. Bailey. Started at 10 A.M. Arrived at 2 P.M. in a moderately warm day. 16 miles in County; 126 miles total. Via Rose Canyon and Santa Ana.

1 Longnose L DOR La Costa
1 Boyles K M DOR Las Flores.

In the evening went to a meeting of the Herp. Society. Supposed to be a specimen night but there was very little to see.

Bogert had the remains of a badly smashed *Timorophis* from Mint Canyon (4 mi. N.W. of Acton).

Roehrig gave me a pickled *Multicincta* from Glendora.

Rowe had 4 *Coleonyx* from Parashouse #2 in San Franciscoquito Canyon. Found in the Parashouse floor. Gave me one. The bodies are banded instead of spotted like our local form. This ought to be checked up later.

1929 Saturday 6, July

This morning early I saw Weinberg after a months absence in Arizona. His trip was relatively unsuccessful. Got several very green *Crotaphytus collaris*. He got altogether 8 snakes: 2 *Sonora semiannuata*; 2 *C. atrox*; 3 *C. mitchellii*; 1 *C. tigris*. All died enroute home except the sidewinder. He gave me the 2 *Sonoras* not very well preserved. They are from the Huachuca Mts.

He also gave me a *Sonora occipitalis* and a *Phyllorhynchus* (latter with a bad tail) said to have been taken between Banning and Calezon. More likely was east of Calezon.

looked at Schulbach's stuff but he seemed to have little that was not there last time. Nothing interesting so I made no trades.

Started back at 9³⁰ via Long Beach and Rose Canyon. Nothing seen. Total miles 135; miles in County 56.

July Sunday 7, 1929

Spent the entire day today working up records. Zoo list of snakes from May 20 to July 1. Also summary table for first 6 months. Also maps for first 6 months.

Worked up 1929 diary and trips to July 1 1929.

1929 Monday 8, July

July Tuesday 9, 1929

Spent the evening tabulating lizard,
and amphibian entries from the
old Zoo records 1922-1956 inclusive.
Am trying to bring to date and
coordinate all locality records from
all sources and field notes likewise.

1929 Wednesday 10, July

July Thursday 11, 1929

Had an interesting talk this morning with Dr. H. C. Kellers U.S. N. just returned from the Philippines (where he accompanied an eclipse expedition as naturalist) with a large preserved collecting reptiles and other material for the U.S.N.M.

He told me it was necessary to use full strength alcohol in the tropics on reptiles.

With reference to that *Ronra* *ocapitalis* in the USNM from the "San Diego River" he says he remembers it distinctly but not the exact place as he has forgotten the geography of the country. It was above Old Mission Dam.

1929 Friday 12, July

Talked to three scout troops at
the East San Diego Baptist Church.
Nos - 1-67-88

Note on Perkins' 3 specimens from
Colorado

The *Pitropia* and the larger rattles
are from Milton reservoir 10 mi e. of
Platteville.

Smaller rattles "few miles east of
Denver"

11

July Saturday 13, 1929

This afternoon at 5¹⁵ went out to meet Pearl near Fallbrook. A moderately warm clear day. Went with Philip via Murphy Canyon. Total miles 131. Returned home at 6¹⁰. Met Pearl about 6 mi beyond Fallbrook. Recd from him a miscellaneous lot of preserved snakes and lizards. Nothing alive.

1 ? Muravian. DOR

Expected to check this in the way home but did not find it.

1 Gopher L. DOR San Marcos

1 Long Nose M DOR " "

1 Boyles King S DOR 5 mi S. of Fallbrook

1 Western Wren L DOR 4 mi S. of "

Recd from Allan 1 large Cal King from Loma Portal.

1929 Sunday 14, July

Spent the day pickling and
tagging specimens

Noted today a medium size Calif.
King killed a small Cal. Racer by
construction. Don't know whether it would
have attempted to eat later.

July Monday 15, 1929

Removed Room this noon
from 44 snakes.

Recd a medium red racer
from Tom Faulconer from San Felipe.

1929 Tuesday 16, July

July Wednesday 17, 1929

1929 Thursday 18, July

July Friday 19, 1929

1929 Saturday 20, July

Went out to Camp Fletcher at Cuyamaca to get Phil. Took out Robt Young; came back with Phil and Young Baker.

Went out via El Cajon and near Vieja Grade just opened; came back by Julian and Fletcher Hills.

Moderate in town; hot in back country; nothing seen.
126 miles.

July Sunday 21, 1929

Worked today on the Harvard specimens as Loveridge had asked that they be returned at once.

Noted for the first time that the Cedros Island specimens are different from other *C. eximius* in tail stripes and relation between prenasal - first supralabial separation beside stripes color, blotches, obsolescence of blotches and size.

1929 Monday 22, July

July Tuesday 23, 1929

1929 Wednesday 24, July

Pickled snakes tonight

July Thursday 25, 1929

Tonight I saw the live material shipped by Walker from Pandsburg. To be checked later.

Gave 2 specimens of *Phrynosoma platyrhinos* to Mrs. Benchley

1 near Atalia July 20th

1 mouth of Grapevine Canyon July 18th

The best thing he got was a fine specimen of *C. tigris* from 2 mi S. of Aberdeen, Inyo Co. Bro't this home for examination.

1929 Friday 26, July

Worked this evening on Pearl's last lot.

Took the lanes to Agua Caliente to lunch. 30 miles. Nothing seen.

July Saturday 27, 1929

Worked this afternoon on Pearl's and Walker's last lots.

Noted the following in Walker's collection not to be pickled and therefore recorded for localities

1 large Desert Tortoise Kramer Hills

1 Chuckawalla 1 mi N of Little Lake
Inyo Co.

1 *S. magister* Havise Reservoir, Inyo Co

1 *C. cerastes* 6 mi N. of Kramer,
San Bernardino Co.

1929 Sunday 28, July

Spent the entire day identifying tagging and cataloguing Walkers and Pearls specimens. Finished everything but Pearl's vandenburghianus and the Carding.

July Monday 29, 1929

Milked 13 rattlers this noon.

Pickled 8 tonight.

Recd at the zoo today an atrox
and 4 scutellatus with the following
note

"The large snake is an Arizona Hog
Rattles; the four smaller snakes are
American Desert Sidewinders ~~Rattles~~
all of which were secured in the
vicinity 'Boot Cemetery'

Tombstone Cochise Co
Arizona "

HHW (Illiana)

The scutes were all fine dark
specimens.

1929 Tuesday 30, July

Went to El Cajon Rotary Club for
lunch. Via El Cajon Ave both ways.
30 miles. Nothing seen.

July Wednesday 31, 1929

Read today and tried out for the first time the new Rattlesnake tabulation sheet.

1929 Thursday 1, Aug.

Aug. Friday 2, 1929

Photographed specimens this AM.

Recd today from Bogert
amongst other lizards a specimen
of *Phrynosoma douglassii hernandesii*
that gave birth to 27 young enroute.
so were alive on arrival. They run
with quick short motions. Try to
bury them selves in sand rather
ineffectually.

1929 Saturday 3, Aug.

Afternoon checked McKees specimens from Grand Canyon, also worked on A.M.N.H. rattles.

McKees specimens follow.
R.S. *masticophis taeniatus taeniatus*
B.A. Trail @ 6000 ft Grand Canyon
June 1929

R3 *Lampropeltis pyromelana*
Ranger Station North Rim
Grand Canyon 8000 ft. June 1929

R29 *Salvadora grahamiae hexalepis*
Tonto Platform near Yaki Trail
(4000 ft.) Grand Canyon June 1929.

R4 Rowe Well Tank. South Rim 7000 ft.
Grand Canyon July 1928

R55 Grand Canyon Station South Rim
Aug. 1928 (7000 ft) Grand Canyon.
both are *Thamnophis angustirostris*

Aug. Sunday 4, 1929

Worked today on Ortenburgers (AMNH) Arizona Atrox and completed the larger specimens about 28 in all.

Also did some transferring to the new sheets.

Pickled a few specimens.

The kids noted that the young horned toads eat ants naturally. They bob their heads. Bury themselves with fair success.

1929 Monday 5, Aug.

Reed today from Santa Fe

3 Scutes (very light) Bessell, Calif
4 " (very dark) Granite Ariz
at mile post 47. Check on these
not final.

1 Black tail Drake, Ariz.

This latter seems to be a northern record
by a long distance.

Today Walker came in with several
good snakes and a fine series of Bufo
Punctatus from Agua Caliente Spring (bet
Vallecitas and Carrizo)

He also had a worm snake from the
same place that I first thought might
be Leptotyphlops but it proved not to be.
Very unusual color, pink and trans-
parent. Thought it might be an
albino, but the eye pigment is there.
He had an eye from well down on
the Vallecitas which I will preserve.

He told me of an old miner who
put aside for him about 15 snakes
at Agua Caliente but they were in the
sun and all died. Hard luck!

The Aberdeen Tiger Rattler was
seen to issue from a hole at
6:30 P.M.

(Continued next page)

Aug. Tuesday 6, 1929

(Continued from Monday 5th)

Noted today a very large diamond
backed oreganus from Boulevard.
wt $2\frac{3}{4}$ lb. length 54" Very large
rattles.

Also a mitchellii from Escudido?
wt $4\frac{3}{8}$ lbs.

1929 Wednesday 7, Aug.

Aug. Thursday 8, 1929

1929

Friday 9,

Aug.

Aug. Saturday 10, 1929

Received from Walker today 149
Triturus torosus (4 dead) of which
145 were sent to Uhlenhuth at
Words Hole. Also there were several
Hyla arenicolor which I did not
save.

1929 Sunday 11, Aug.

Worked today on Stanford, Kansas,
Grand Canyon and odd specimens.

Aug. Monday 12, 1929

Milked 17 rattlers today.
Willie was along.

1929 Tuesday 13, Aug.

Aug. Wednesday 14, 1929

Recd today from Percy Fisher
caught in Escandido a medium red
races.

1929 Thursday 15, Aug.

Today photographed a medium Arizona atrox (Date or Drake) and Walker's Agua Caliente Spring medium exsul.

Noted today at the zoo a medium atrox. from Earl Bell of gang Joeman Grand View, Arizona.

Recd last week a Coral King from Dr Van Wart's terrace (Descanso?)

Recd today for study 13 oregans from V. M. Tanner Brigham Young University, Provo, Utah.

Aug. Friday 16, 1929

1929 Saturday 17, Aug.

Worked all afternoon preserving
and tagging. Nothing done
on rattles.

Aug. Sunday 18, 1929

Today finished the last brood
of Kansas W specimens (7) and
the Brigham Young University specimens
(13)

1929 Monday 19, Aug.

A large western diamond from
Pate, Arizona dead in arrival.

Aug. Tuesday 20, 1929

1929 Wednesday 21, Aug.

Aug. Thursday 22, 1929

1929 Friday 23, Aug.

Aug. Saturday 24, 1929

Spent the afternoon on a general clean up. Pickled all available specimens (7). Everything now catalogued and put away.

Checked up specimens in stock to plan campaign on *Oreganus-tigris* in Nevada and Grand Canyon confluents

1929 Sunday 25, Aug.

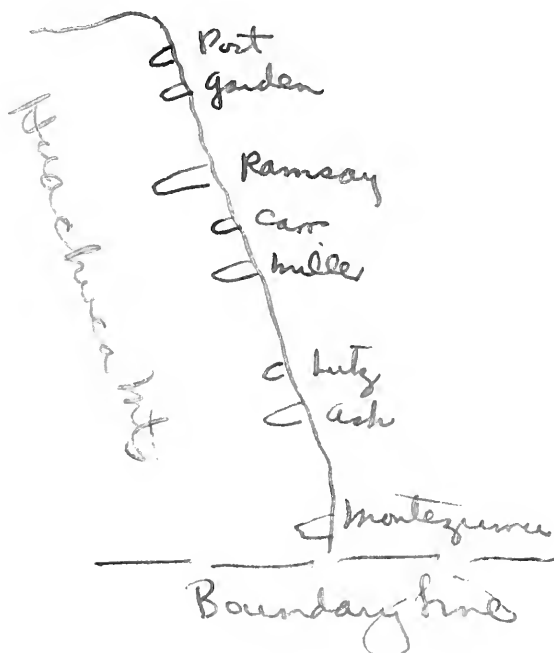
Worked mostly on *tigris* today. Checked the U.C specimens from near Picaacho (4 specs) also 5 from Paramount etc. and rechecked 3 others from Nevada. Also 1 AMNH *mitchelli*. These are hard to check and go very slow w/c head scales being so badly broken up.

Aug. Monday 26, 1929



⊗ Tucson

⊗ Ft Huachuca



1929 Tuesday 27, Aug.

Notes on New Mexico and Arizona
rattles records as told me by E H Taylor
on Monday Sept 2nd

Walfardi

Ramsay Canyon

Pott Canyon (not by Taylor)

Trisquatus

Ramsay Canyon (near Hamburg mine).

Mills Canyon.

Lepidus

Ramsay Canyon

Montezuma Canyon (last year)

Molossus

Head of Butz Canyon (Black).

Romer Canyon

Mouth of Sakino Canyon (dead)

Ash Canyon.

San Marcial (New Mexico)

Burbee (dead)

Atrax

San Marcial N.M.

Romer Canyon.

ht Simon (alt 4000 ft).

Confluentus

Santa Fe

Trisquatus

Sakino Canyon

reganus, Acutulatus, Tigris

Aug. Wednesday 28, 1929

1929 Thursday 29, Aug.

Aug. Friday 30, 1929

Photographed 1 Molossus and 1 Black Arizona oregonus this morning. No luck with the former.

Milked rattlers this noon.

Today saw a small skink from Deerhorn (Walker) with a bright pink (not blue) tail.

This evening unpacked 23 rattlers from Field Museum. and 42 from U.C. Also 3 from Bogert.

Today put in stock a large Molossus recd yesterday from Santa Fe. Case said Winslow. This is the only specimen to date on which locality data is not OK.

1929 Saturday 31, Aug.

Spent the afternoon pickling
specimens. Finished 18 rattlers.
Nothing done in the way of checking.

Sept. Sunday 1, 1929

Sick all day today. Nothing done. Walker brought over a couple of specimens.

In the evening had a phone call from Dr. E. H. Taylor, Univ. of Kansas that he had been bitten by a sidewinder the previous night at Yuma. Had taken one dose of antivenin. Had driven all the way from Yuma with one hand. Sounded in bad shape; sent Richmond out with 2 more doses (one of which he gave him). Richmond took him to the Mercy Hospital.

1929 Monday 2, Sept.

Labor Day

Saw Taylor for a few moments at Mercy Hospital this morning. He was much better. He was putting a small stick on a sidewinders head to catch him, the stick broke and his hand went forward. He was bitten on the index finger. Only noticed one jag puncture. Opened this but not the other. Got on a tourniquet. Got one dose of anturmin in about 1 hour.

Noted the following in the Taylor collection either dead or alive.

1 Scute Gila Bend.
 Triseriatus and lepidus Huachuca.
 Phyllorhynchus Yuma.
 Tiger (a fine Arizona specimen with small head) Sabino Canyon.
 Molossus. Ash Canyon in the Huachuca.
 Scute (alive) mouth of Ash Canyon.
 light molossus Romero Canyon, Huachuca.
 Black oreganus Mt. Simon Catalina's.

We had a fine lot of material. Altogether had taken some 50 or more rattlers in New Mexico and Arizona.

Read a run over Mr. pieces from Walker from near Dulzura.

In the afternoon took Taylor back to his auto camp and talked snakes with him for an hour.

Sept. Tuesday 3, 1929

1929 Wednesday 4, Sept.

Sept. Thursday 5, 1929

1929

Friday 6,

Sept.

Sept. Saturday 7, 1929

Spent the afternoon pickling
specimens.

1929 Sunday 8, Sept.

Left for S.F. this noon via train.

Sept. Monday 9, 1929

Spent the day at the Calif.
Academy.

1929 Tuesday 10, Sept.

at Del Monte

Sept. Wednesday 11, 1929

at Del Monte

1929 Thursday 12, Sept.

At Del Monte

Sept. Friday 13, 1929

At Calif. Academy checking
rattles.

1929 Saturday 14, Sept.

At California Academy checking rattlers.

Drove to Alpine Tavern
this evening 133 miles.

Sept. Sunday 15, 1929

Drove to Fullerton today
about 380 miles.

1929 Monday 16, Sept.

Drove home this morning.
1 Juvenile gopher DOR at Serra.

Nothing seen in the County. 61
miles. A cool foggy day.

Sept. Tuesday 17, 1929

1929 Wednesday 18, Sept.

Milked a few snakes this noon.
Visited with ^{B.C.}~~Newton~~ Cain of
Oakland Boy Scouts.

He is naturalist for the Boy Scouts.
Address 221 Thayer Bldg., Oakland

Sept. Thursday 19, 1929

Today George in Nat. Hist. Museum told me that one of the Bogles King Snakes swallowed another nearly as large. (Captured specimens) Threw it up three days later.

Today received from E.D. McKee as a loan a fine large Grand Canyon Rattles taken on Tanner Trail about three hundred feet below the south rim. This also. Also two badly mutilated and somewhat decomposed from Desert View Point on the south rim. They are quite different in color although both have distinct marks. One dark brown like Winslow; the other quite orange colored.

Also received from Chester Lamb from Rivaria B.C. a fine series consisting of
3 *mitchellii* (M)

13 *lucasensis* (2 S, 7 M, 4 L)

1 large is rather queerly marked

8 *Emys* 1 L, 7 M.

All alive. *lucasensis* in rather poor condition.

Cost \$4.00

Transp. '6- La Rivaria

Express $\frac{36}{63}$

1929 Friday 20, Sept.

Sept. Saturday 21, 1929

Went to Long Beach today with
Chickering. Did not drive myself
so did not check road.

Tex Schulbach had one brood of
sidewinders about 5 now. Said there
had been 7. Nothing else of interest.

No time to work on specimens
today.

1929 Sunday 22, Sept.

Spent the morning with Chickering on business and the afternoon preserving and filing. No time to do any scale counting this weekend.

Sept. Monday 23, 1929

1929 Tuesday 24, Sept.

Quoting letter from S.P. Jones
National Park Service

"C.S. thought you would be interested
in ~~hearing~~^{ear} of a case of cannibalism
among horned toads. I kept several
in a pen, and, as I must admit, I
did not feed them regularly. One day
I saw a two-inch horned toad gulp
down a one-inch youngster head first"

Sept. Wednesday 25, 1929

1929 Thursday 26, Sept.

Sept. Friday 27, 1929

Removed Venom at noon.

1929 Saturday 28, Sept.

Pickled snakes all afternoon. Made
a few color notes. No time to
work on research.

Sept. Sunday 29, 1929

Spent the morning and part
of afternoon pickling specimens.
Out to lunch.

No time to work on scale
counts

1929 Monday 30, Sept.

Oct. Tuesday 1, 1929

1929 Wednesday 2, Oct.

Oct. Thursday 3, 1929

1929 Friday 4, Oct.

Working in J.F. today.

Oct. Saturday 5, 1929

Working in F. today.

1929 Sunday 6, Oct.

Returned from S.F. this morn.

Saw a juvenile Boyles King DOR
in Park today.

Oct. Monday 7, 1929

1929 Tuesday 8, Oct.

Oct. Wednesday 9, 1929

1929 Thursday 10, Oct.

Drove to L.A. with G.G. Started
at 7³⁰ P.M. A clear mild day.
63 miles in the country. Nothing
seen.

Oct. Friday 11, 1929

Drove home from L.A. starting at 2³⁰. 23 miles in the country in daylight. Nothing seen.

1 small gopher picked up near 6 miles south of Irvine. Saved it. D.O.R.

1929 Saturday 12, Oct.

Worked this ^{Columbus Day} afternoon on the
small rattles from north-eastern
Utah.

Oct. Sunday 13, 1929

Worked on specimens (mostly
tigris) in the ~~pm~~ morning and
part of afternoon. Checked all
together about 14 specimens.

1929 Monday 14, Oct.

Oct. Tuesday 15, 1929

Drove to L A this afternoon to catch the bark. Started at 4 P.M. dark at Oceanside. going too fast to watch the road. Don't count.

1929 Wednesday 16, Oct.

Worked this afternoon for
2 hours at the CHS. Did 2
exps and checked some points
on Tortugensis. Too tired to do much.

Oct. Thursday 17, 1929

1929 Friday 18, Oct.

Oct. Saturday 19, 1929

Drove down this AM. from L.A.
Saw a snake in Orange Co near
Orange but didn't stop. Saw
nothing in S.D. Co 63 miles.

1929 Sunday 20, Oct.

This morning pickled 5 snakes
and checked 16 for Kansas.

Oct. Monday 21, 1929

1929 Tuesday 22, Oct.

Oct. Wednesday 23, 1929

1929 Thursday 24, Oct.

Oct. Friday 25, 1929

1929 Saturday 26, Oct.

Oct. Sunday 27, 1929

Roosevelt's Birthday

1929 Monday 28, Oct.

Oct. Tuesday 29, 1929

1929 Wednesday 30, Oct.

Oct. Thursday 31, 1929

Halloween

1929

Friday 1,

Nov.

Recd today from the Record Dept
a juvenile *Oreganus* from
Hilldale.

Nov. Saturday 2, 1929

1929 Sunday 3, Nov.

By tonight I had finish
scale counts on all foreign
specimens except the following

U.C. 14 Great Basin. (Complete except
head scales)

AMNH 2 Polystictus

1 Brood of atrox

Carnegie (Pittsburgh)

3 Misc Specimens.

Nov. Monday 4, 1929

Today started on my "vacation"
at 11³⁰

By evening had finished the
U.S. Osceola series.

Also 22 scutellatus and
about half through with 14 moss.

Saw today at the Zoo a
chuck supposed to have been taken
on Banner Grade near Tulsa.

1929 Tuesday 5, Nov.

Today I finished ^{Election Day} Scutellatus
a total of 5.7 specimens.
Went to a poker party at 4³⁰

Nov. Wednesday 6, 1929

Very little done today account
of long meetings with P.A.
Bailey and R.E. Cunningham on
business.

Finish only 5 Arizona oreganus

1929 Thursday 7, Nov.

Completed my Great Basin Oreganus
today; a total of 30 specimens.

Nov. Friday 8, 1929

Started to check confluentus today but instead made a general check of the confluentus - great basin problem from Valle Ariz to Zion Natl. Park, Utah across the Grand Canyon. mapped all specimens and made a general survey. Completed this at 5 P.M.

This evening finished 16 Confluentus except for the color notes.

Recd today from Hararahan 1 small Boyle's King from Rose Canyon.

Total specimens for vacation to date 108

1929 Saturday 9, Nov.

Worked hard today checking
specimens. Afternoon and
evening.

Nov. Sunday 10, 1929

Checked specimens all day
today

1929 Monday 11, Nov.

Checked ^{Armistice Day} specimens all day today. Went to La Jolla to Nat Hist meeting in the evening.

As of this evening the following material is unchecked

Foreign

- 3 misc spec. from Carnegie Pith
- 1 Brood of atrox & from AMNH.

Indic

Of the species with which I am now concerned the following

- 8 molossus
- 19 mitchellii
- 51 S.D. Co. Oreganus (These I do not expect to do at this time)

S.D. Soc. Nat. Hist.

- 4 atrox
- 2 mitchellii
- 1 Oreganus (Ruiz de Co)
- 2 Exsul
- 9

Nov. Tuesday 12, 1929

1929 Wednesday 13, Nov.

Nov. Thursday 14, 1929

1929 Friday 15, Nov.

Nov. Saturday 16, 1929

1929 Sunday 17, Nov.

Worked last two days getting ready for J.F. trip and did much indexing, filing, carding etc. Also completed 8 melosches.

Nov. Monday 18, 1929

Reed today from Nat Hist
Museum a young exscl taken
at Camp Kearney.

Left for J.F. about 4 P.M.
Too dark and fast to check
anything on the road.

1929 Tuesday 19, Nov.

Lebec to S.F. Nothing seen
on the road.

Nov. Wednesday 20, 1929

Spent most of the day at
Berkeley

1929 Thursday 21, Nov.

Nov. Friday 22, 1929

1929 Saturday 23, Nov.

Nov. Sunday 24, 1929

Returned to S.D. from Atascadero.
Arrived at 9³⁰ P.M. Nothing seen
on the road.

1929 Monday 25, Nov.

Bawa live ring neck caught in
S.D. by V.M. Smale.

Nov. Tuesday 26, 1929

1929 Wednesday 27, Nov.

Nov. Thursday 28, 1929

Thanksgiving Day

Today I worked up 17 specimens of *Mitchellii* from my collection and 3 Great Basin from Brigham Young University.



Beyond these there remain primarily the USNM material of which there is considerable I would like to see particularly

Sucasensis

Exsul (from Lower Calif).

Atrypa (from Calif and Ariz).

Scutulatus (About $\frac{1}{2}$ doz)

Oreganus (from Arizona).

Confluentus (from Mexico and Ariz)

May send for these yet but only after I have returned all non known.

1929 Friday 29, Nov.

As of today specimens to check are as follows.

Foreign

- 3 Misc Spec. from Carnegie, Pitts.
- 1 Brood of Atrox from AMNH.

LMK

53 S.D. Co Oreganus (Don't expect to do these in connection with present investigation.)

This is complete to No 5576

S.D. Soc. N.H.

4 Atrox

2 Mitchellii

1 Oreganus (Riverside Co)

3 Exsul

10

Am about to receive some 18 or 20 specimens ordered from U.C. This will clear up everything of special interest in the U.C. collection. There are of course many Oreganus and a few Mitchellii and Exsul specimens which would be of interest if there were time.

Nov. Saturday 30, 1929

This afternoon checked

9 S.D.S.N.H. specimens
and 3 Carnegie of Pittsburgh.

This leaving incomplete only
V.C. to arrive

AMNH atrox brood.

LMK 53 S.D. Co Oreganus
(not to be done).

1929 Sunday 1, Dec.

Spent the morning working over the small white *confluentus* of the Green - Colorado River Valley. Made final comparisons. Selected a type specimen (Field 923) from Grand Junction. Afternoon at M.K.s.

In the evening worked on mapping the Calif. *tegus* and adjacent Great Basin and *Mitchellii* specimens. Have a few more to check - awaiting geological survey sheets now in order to do this. Will then be able to write up three new subspecies or four; that is after making a visual inspection of border material.

Dec. Monday 2, 1929

1929 Tuesday 3, Dec.

Dec. Wednesday 4, 1929

1929 Thursday 5, Dec.

Dec. Friday 6, 1929

1929 Saturday 7, Dec.

Dec. Sunday 8, 1929

1929 Monday 9, Dec.

Dec. Tuesday 10, 1929

1929 Wednesday 11, Dec.

Dec. Thursday 12, 1929

1929 Friday 13, Dec.

Rode out to Otay mesa and to
Trib Juana to look at line's. 25 miles
in snake territory. Nothing seen. A
clear warm day; no rain since early
Sept.

Dec. Saturday 14, 1929

1929 Sunday 15, Dec.

Worked on Confluentius paper

Dec. Monday 16, 1929

Worked afternoon on Confluentia
paper

1929 Tuesday 17, Dec.

Worked all day on confluentia
paper

Dec. Wednesday 18, 1929

Today saw a large Ussul
which young Cook had caught
yesterday at the south west foot
of San Miguel mt.

Worked all day on confluentus
paper

1929 Thursday 19, Dec.

Worked all day on confluent
pages

Dec. Friday 20, 1929

Worked all day in confluentus
papers

1929 Saturday 21, Dec.

Spent the past week on a vacation working up paper on lutosus, decolor, stephensis and abyssus.

Practically finished first draft today. From now on will take lots of work to send it into shops.

Dec. Sunday 22, 1929

Shortest Day

1929 Monday 23, Dec.

Dec. Tuesday 24, 1929

1929 Wednesday 25, Dec.

Dec. Thursday 26, 1929

1929

Friday 27,

Dec.

Dec. Saturday 28, 1929

1929 Sunday 29, Dec.

Started Lorenzo Cook tagging and sorting Pearl's collection made last summer.

Completed my Confluenter paper. Second revision.

Dec. Monday 30, 1929

1929 Tuesday 31, Dec.

Notes For 1930

Memoranda

Memoranda

Memoranda

Memoranda

Memoranda

JANUARY—CASH

REC'D

PAID

FEBRUARY—CASH

REC'D

PAID

MARCH—CASH

REC'D

PAID

APRIL—CASH

REC'D

PAID

MAY—CASH		REC'D		PAID	

JUNE--CASH

REC'D

PAID

JULY—CASH

REC'D

PAID

AUGUST—CASH

REC'D

PAID

SEPTEMBER—CASH	REC'D	PAID

OCTOBER—CASH

REC'D

PAID

NOVEMBER—CASH

REC'D

PAID

DECEMBER—CASH

REC'D

PAID

SUMMARY—CASH	REC'D	PAID
Cash on hand Jan. 1st		
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		
Total		
Balance to new Acc't		

POSTAGE

CLASSIFICATION	DOMESTIC	FOREIGN
Letters, First Class Matter.....	2c. per oz. ^{oo}	°
Post Cards (Private)	2c. each	°
Postal Cards (Government).....	1c. each	°
Newspapers, Magazines, Periodicals.....	2c. for each 2 ozs.*	°
Circulars and miscellaneous printed matter, also mdse.	1½c. for each 2 ozs.†	°
Merchandise, catalogs, etc., over 8 ozs....	Zone rates apply	°

REGISTRY FEE. In addition to postage, Foreign 10c. Domestic first-class and sealed fourth-class mail prepaid with first-class postage, indemnified for \$50.00 or less, fee 15c.; \$100.00 or less, 20c. Return receipt 3c. extra.

^{oo} Drop letters, 1c. per oz.

†The rate on printed books or catalogs having 24 or more pages, seeds, bulbs, etc., weighing 8 ozs. or less, is 1c. for each 2 ozs. or fraction thereof.

*Limit of weight, 8 ozs. Over 8 ozs. subject to 4th class rates.

°For foreign rates and conditions, inquire at Post Office.

DOMESTIC: SPECIAL DELIVERY.—A special delivery stamp or ten cents' worth of ordinary stamps and the words "Special Delivery" marked on the envelope or wrapper, in addition to the regular postage, secures the special delivery of any piece of mail matter weighing not more than 2 lbs., including parcel post packages, within one mile of any U. S. post office. On mail matter weighing more than 2 lbs., but not more than 10 lbs., 15c.; over 10 lbs., 20c.

RE FORWARDING.—First-class matter (Letters, postal cards, etc.) will be forwarded without extra postage. Other matter requires a new prepayment of postage.

Mail matter for Hawaii, Porto Rico, the Phillipines, The Island of Guam and Tutuila, the "Canal Zone," and the Virgin Islands of U. S., is subject to domestic rates and conditions.

DOMESTIC PARCEL POST.—Merchandise may be sent by domestic parcel post, the rates depending on weight and distance, concerning which inquire at Post Office.

REQUIREMENTS.—Sender's name and address must appear on package—otherwise unmailable; parcels over four ounces must be mailed at post office or places designated—not in street boxes; contents easily examined; limit of size, 84 inches in length and girth combined.

SPECIAL HANDLING.—25c. postage affixed to a parcel. In addition to the regular postage charges, with the words "Special Handling" written or printed on the wrapper, secures the same expeditious handling of a fourth-class article as accorded first-class mail.

C. O. D.—Goods may be sent C. O. D. by parcel post. On amounts not exceeding \$10.00, the fee is 12c.; not exceeding \$50—15c.; \$100.00—25c., collected and returned to the sender. Fee also insures the parcel.

POSTAL SAVINGS.—Money may be deposited to individual accounts at offices which have been designated as Postal Savings Offices, and interest is paid at the rate of 2 per cent. per annum on deposits.

DOMESTIC MONEY-ORDER FEES.—For orders from \$0.01 to \$2.50, 5 c.; \$2.51 to \$5.00, 7c.; \$5.01 to \$10.00, 10c.; \$10.01 to \$20.00, 12c.; \$20.01 to \$40.00, 15c.; \$40.01 to \$60.00, 18c.; \$60.01 to \$80.00, 20c.; and \$80.01 to \$100.00, 22c.

Subject to change after going to press.

CALENDAR FOR 1930

1930	S	M	T	W	T	F	S	1930	S	M	T	W	T	F	S
Jan.	..	..	..	1	2	3	4	July	..	..	1	2	3	4	5
	5	6	7	8	9	10	11		6	7	8	9	10	11	12
	12	13	14	15	16	17	18		13	14	15	16	17	18	19
	19	20	21	22	23	24	25		20	21	22	23	24	25	26
	26	27	28	29	30	31	..		27	28	29	30	31	..	..
Feb.	..	..	..	..	..	..	1	Aug.	..	..	..	..	..	1	2
	2	3	4	5	6	7	8		3	4	5	6	7	8	9
	9	10	11	12	13	14	15		10	11	12	13	14	15	16
	16	17	18	19	20	21	22		17	18	19	20	21	22	23
	23	24	25	26	27	28	..		24	25	26	27	28	29	30
Mar.	..	..	..	..	..	..	1	Sept.	..	1	2	3	4	5	6
	2	3	4	5	6	7	8		7	8	9	10	11	12	13
	9	10	11	12	13	14	15		14	15	16	17	18	19	20
	16	17	18	19	20	21	22		21	22	23	24	25	26	27
	23	24	25	26	27	28	29		28	29	30	..	..	..	..
	30	31	..	..	..	..	..	Oct.	..	..	..	1	2	3	4
Apr.	..	..	1	2	3	4	5		5	6	7	8	9	10	11
	6	7	8	9	10	11	12		12	13	14	15	16	17	18
	13	14	15	16	17	18	19		19	20	21	22	23	24	25
	20	21	22	23	24	25	26		26	27	28	29	30	31	..
	27	28	29	30	..	..	..	Nov.	..	..	..	..	..	1	..
May	..	..	..	..	1	2	3		2	3	4	5	6	7	8
	4	5	6	7	8	9	10		9	10	11	12	13	14	15
	11	12	13	14	15	16	17		16	17	18	19	20	21	22
	18	19	20	21	22	23	24		23	24	25	26	27	28	29
	25	26	27	28	29	30	31		30	..	..	..	..	..	..
June	1	2	3	4	5	6	7	Dec.	..	1	2	3	4	5	6
	8	9	10	11	12	13	14		7	8	9	10	11	12	13
	15	16	17	18	19	20	21		14	15	16	17	18	19	20
	22	23	24	25	26	27	28		21	22	23	24	25	26	27
	29	30	..	..	..	..	..		28	29	30	31	..	..	..

